

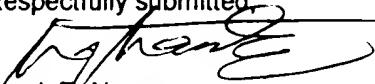


REMARKS - General

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned "Version with markings to show changes made." A clean set of all pending claims is attached.

Applicant respectfully requests that a timely Notice of Allowance be issued in this case.

Respectfully submitted,


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VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the drawing sheets:

Figure 2 is withdrawn.



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In the specification:

The third paragraph on page 4 has been amended as follows:

In a first embodiment of the amplifier of this invention, as depicted in FIG. 32, a power modulator 12 comprising a push-pull pair of switches Q5-Q6 drives both the center-tapped primary winding 40 and a second push-pull pair of switches Q7-Q8 drives the center-tapped secondary winding 42 of the transformer T1 by the end taps E1-E2.

In the claims:

CLEAN SET OF ALL PENDING CLAIMS

The clean set of all pending claims is attached.

CLAIMS

I claim:

2. A high efficiency switching amplifier for digitally processing electric power from a DC supply thereof to a loudspeaker, the switching amplifier comprising:
 - a voltage source for supplying a DC voltage,
 - a power modulator for transforming the DC voltage into modulated voltages,
 - a transformer for changing the amplitudes of the modulated voltages,
 - a synchronous demodulator for reconstructing the modulated voltages back to audio signal driving a loudspeaker,
 - a controller for receiving an audio signal to produce digital signals controlling the operation of the power modulator and the synchronous demodulator,

wherein the controller controlling the timing of digital signals to the power modulator and to the synchronous demodulator such that they change state substantially synchronously.
2. A high efficiency switching amplifier comprising:
 - a transformer having a primary winding with a first terminal, a second terminal, a third terminal which is a primary center tap, and a secondary winding with a fourth terminal, a fifth terminal, and a sixth terminal which is a secondary center tap,